



Project: Alaska Copper Works

Inspection Date: 10/31/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☒ Yes ☒ No

Flow Rates (gpm)	Influent	<u>n/a</u>	Effluent	<u>150</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>10</u>	Effluent	<u>10</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>10</u>	Effluent	<u>10</u>	
Carbon Filter Pressures (Lead)	Influent	<u>8</u>	Effluent	<u>5</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>3</u>	Effluent	<u>0</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	20 Gal 10% Caustic 55 Gal 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified good



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU
Bag Filter Influent	pH	<u>8.21</u>	Turbidity	<u>4.03</u>	NTU
Bag Filter Effluent	pH	<u>8.01</u>	Turbidity	<u>3.57</u>	NTU
Carbon Filter Influent	pH	<u>7.98</u>	Turbidity	<u>4.03</u>	NTU
Carbon Filter Effluent	pH	<u>7.65</u>	Turbidity	<u>3.55</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank:	<u>n/a</u>
Treatment tank:	<u>n/a</u>
Backflush tank:	<u>n/a</u>
Main lift station:	<u>n/a</u>
North lift station:	<u>n/a</u>
South lift station:	<u>n/a</u>

Additional Comments, Recommendations and System Upsets:

No water in vault to pump out to collect raw water parameters.
Realigned lead gac filter discharge to line to stop drip from cam fitting and recharged both filters.
Six unused filters left on site.

David DuBois

Technician

Project Lead Tech

Title

10/31/19

Date

Submit